

1. (Amended) A system for capturing information about objects moving relative to the system comprising:

an object dimensioning system for producing time-dependent dimension information for each of the objects as each object moves relative to the dimensioning system;

an object identification system for producing object identification information for the objects; and

an image capture system for producing time-dependent images of the objects.

29. (New) A system for capturing information about objects moving along transport means relative to the system comprising:

a position system for providing positional information associated with the transport means;

an object dimensioning system for producing dimension information for the objects;

an object identification system for producing identification information for the objects;

an image capture system for producing images of the objects; and

at least one processor for associating time values with the positional information and computing models of the objects using the positional information and the dimension information.

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